

**From:** [MCDONNELL Erin](#)  
**To:** [Mandy O'Hara](#)  
**Cc:** ['Shaw, Steve M.'; Chip Humphrey/R10/USEPA/US@EPA](#)  
**Subject:** RE: Site ID 154, Reynolds Metals Co.  
**Date:** 10/12/2011 03:00 PM

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Hi Mandy,  
I will see what I can find out about site groundwater monitoring wells near Sundial Road, but because of workload probably next week would be the earliest I could follow up with your question in more detail. I am knowledgeable of which groundwater wells are currently sampled, but likely many more were installed, still exist or have been abandoned. The OWRD database is good for identifying wells that have been installed, but not necessarily wells that have been abandoned.

I am including in our communications Steve Shaw (with Alcoa) and Chip Humphrey (EPA) who have much more history with this project. Possibly they have a quick answer for you.

Thank you,  
Erin

Erin McDonnell, P.E.  
Cleanup Project Engineer  
Oregon DEQ, NWR  
503.229.6900

-----Original Message-----

From: Mandy O'Hara [mailto:mohara@mcdd.org]  
Sent: Wednesday, October 12, 2011 2:27 PM  
To: MCDONNELL Erin  
Subject: RE: Site ID 154, Reynolds Metals Co.

Hi Erin,

Do you have any records of groundwater monitoring wells near Sundial Rd. for the Reynolds Metals sight? We've located two west of the road near the levee, and Oregon Department of Water Resources doesn't have any information on one of them and very little on the other. I'm looking for information about who put them in and when they might be abandoned.

Thanks,

Mandy

-----Original Message-----

From: MCDONNELL Erin [mailto:MCDONNELL.Erin@deq.state.or.us]  
Sent: Thursday, September 22, 2011 12:24 PM  
To: Mandy O'Hara  
Subject: RE: Site ID 154, Reynolds Metals Co.

Hi Mandy,  
Try these links. They worked for me at home. Sorry for the technical difficulties.

Her

1) **Non-Responsive**

**Non-Responsive**

**Non-Responsive**

4)

**Non-Responsive**

5)

**Non-Responsive**

Let me know if you have questions.  
Thank you.

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From: Mandy O'Hara [mailto:mohara@mcdd.org]  
Sent: Thursday, September 22, 2011 7:07 AM  
To: MCDONNELL Erin  
Subject: RE: Site ID 154, Reynolds Metals Co.

The links aren't working for me.

Mandy

-----Original Message-----

From: MCDONNELL Erin [mailto:MCDONNELL.Erin@deq.state.or.us]  
Sent: Wednesday, September 21, 2011 5:11 PM  
To: MCDONNELL Erin; Mandy O'Hara  
Cc: 'Shaw, Steve M.'; GILLES Bruce A  
Subject: RE: Site ID 154, Reynolds Metals Co.

Hi Mandy,

Here are the links to parts of the reports referenced in Mr. Shaw's email. There is actually two documents, the work plan (960814CH2M) and summary report (970326CH2M):

**Non-Responsive**

Let me know if cannot access these links and/or need anything else from

me.  
Thank you,  
Erin

Erin McDonnell, P.E.  
Cleanup Project Engineer  
Oregon DEQ, NWR  
503.229.6900

-----Original Message-----

From: MCDONNELL Erin  
Sent: Wednesday, September 21, 2011 3:02 PM  
To: 'Mandy O'Hara'  
Cc: 'Shaw, Steve M.'; GILLES Bruce A  
Subject: RE: Site ID 154, Reynolds Metals Co.

Hi Mandy,  
The report is large and was sent to me in parts. DEQ has been changing/updating our ftp site, but when I will figure out a way to upload the report for you I'll send you the location/instructions.

Thank you,  
Erin

Erin McDonnell, P.E.  
Cleanup Project Engineer  
Oregon DEQ, NWR  
503.229.6900

-----Original Message-----

From: Mandy O'Hara [mailto:mohara@mcdd.org]  
Sent: Wednesday, September 21, 2011 2:38 PM  
To: MCDONNELL Erin  
Subject: RE: Site ID 154, Reynolds Metals Co.

Thank you for getting back to me so soon. The information is helpful, although it is sounding like we might have to remove the brick. The Army Corps sees it as blocking inspection of the levee. If we could get a copy of the report that would be great.

Mandy

-----Original Message-----

From: MCDONNELL Erin [mailto:MCDONNELL.Erin@deq.state.or.us]  
Sent: Wednesday, September 21, 2011 12:44 PM  
To: Mandy O'Hara  
Subject: RE: Site ID 154, Reynolds Metals Co.

Hi Mandy,  
I received a response from a site representative (Mr. Steven Shaw with Alcoa) who has history with the project. Mr. Shaw also forwarded me the document referenced below, however, I have not yet had a chance to review the report. Mr. Shaw's response is summarized below, in regards of your inquiry of a levee section near the former plant:

My recollection is that RMC at one time had authorization from the Sandy Drainage District (operated by the Multnomah County Drainage District) to place brick on the dike. In about 1993 RMC was advised to stop placing brick along the dike and to neither add nor remove any brick. The issue of what to do with the brick was deferred to EPA and the superfund investigation.

The work plan for sampling the brick along the USACE levee is covered in the document "Company Lake Supplemental Data Gathering Work Plan (CH2M-HILL August 1996). See sections 'Area Description', 'Summary of Previous Investigation' and 'Work Plan Task 2.3'.

The results of this investigation are found in Company Lake Supplemental Data Gathering Summary (CH2M-HILL March 1997) See Section 3.4.2 and 4.5.2. This summary also includes the results of other brick sampling efforts.

The report concludes that leaching or particulate contribution from the brick along the COE dike appears to be an insignificant source to Company Lake sediment or interstitial soil. Additionally the interstitial soil beneath the brick is inaccessible to direct-contact exposure.

The constituent levels in the fines and interstitial soils associated with the brick were well below the cleanup goals for Company Lake and other areas of the site and did not require removal.

Let me know if this is sufficient for your review and/or you would like to review the report. I will also follow up with you after I review the document.

Best,  
Erin

Erin McDonnell, P.E.  
Cleanup Project Engineer  
Oregon DEQ, NWR  
503.229.6900

-----Original Message-----

From: Mandy O'Hara [mailto:mohara@mcdd.org]  
Sent: Friday, September 09, 2011 3:19 PM  
To: MCDONNELL Erin  
Cc: GILLES Bruce A

Subject: RE: Site ID 154, Reynolds Metals Co.

Erin,

Thank you for getting back to me so quickly. There is no rush on the information, we have some time before we need to decide what the plan is to deal with this area. Any assistance with this is greatly appreciated.

Thanks,

Mandy

-----Original Message-----

From: MCDONNELL Erin [mailto:MCDONNELL.Erin@deq.state.or.us]  
Sent: Friday, September 09, 2011 2:50 PM  
To: Mandy O'Hara  
Cc: GILLES Bruce A  
Subject: RE: Site ID 154, Reynolds Metals Co.

Hi Mandy,

The project is new to me and have been assigned the DEQ project manager most recently. I will look into this matter about the levee and possible connection with project site. My goal is to get up to speed on the project in the next couple weeks. Do you have a timeline you need this information? I'm including my manager on our communications who may have a quick answer for you.

Thank you,  
Erin

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From: Mandy O'Hara [mohara@mcdd.org]  
Sent: Friday, September 09, 2011 1:25 PM  
To: MCDONNELL Erin  
Subject: Site ID 154, Reynolds Metals Co.

Erin,

I'm looking for more information about the old Reynolds aluminum plant and clean up information. Multnomah County Drainage District manages the levees and during a recent inspection of the levee with the Army Corps of Engineers, a section of the levee in the area of the old plant was marked as unacceptable because it is covered in bricks that are presumably from the furnace of the aluminum plant. I've found an old levee inspection report, from 1998, that notes that this area was supposed to be an area of potential cleanup through a joint effort between COE, DEQ and Reynolds starting in 1993. I am curious if DEQ has any information relating to this issue.

Thanks,

Mandy

Mandy O'Hara, EIT,  
Engineer I  
Multnomah County Drainage District #1

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